SUBJECT INDEX

A

Abdomen
anti-infective agents, 407
blunt trauma, acute appendicitis, 342
intra-abdominal infections
antianaerobe antibiotic therapy imipenem *vs.* tobramycin, 407
ceftazidime/clindamycin *vs.* tobramycin/clindamycin, 408
guidelines for clinical care, 409
major surgery, oxygen uptake, 225
wall defects, 82
Abstracts, 263
Acquired immunodeficiency syndrome
acute appendicitis, 343
complications of blood transfusions, 48
surgeons' attitudes towards patients, 210
Adenocarcinoma
esophagus or gastroesophageal junction, pre- and postoperative chemotherapy, 465(October)
surveillance for, Barrett's esophagus, 412
Adenoma
additional, hyperplastic polyps sigmoidoscopy, 449
detection during fecal occult blood test, screening for colorectal cancer, 447
Adhesion molecules, biology of tumor metastasis, 577
Advance directives, placing a limit on life-sustaining therapy, surgeon's role, 140
Africa, changing health care system, 241
Alcohol
intoxication, injuries and dangerous behaviors, 38
trauma and, behavioral correlates, 36
use, injured drivers, 39
Amputation, use of angioplasty and bypass surgery, management peripheral vascular disease, 109
Amyloid, mystery of, 32
Amyloidoma
hemodialysis-related, bone, 33
macroglossia and, buttock, 34
Amyloidosis
dialysis, systemic involvement, 35
middle ear, chronically hemodialyzed patient, 34
Anaphylactoid reactions, protamine, 87
Anastomosis
low colorectal, staples or sutures, 286
main bronchial sleeve resection, pulmonary conservation, 418
single-layer appositional, large bowel, 284
single-layer continuous polypropylene intestinal, results of 1000 cases, 281
Valtrac biofragmentation ring, conventional suture staples, 288
Anemia, tissue oxygenation and perfusion, wound healing surgical patients, 201
Anesthesia, total intravenous, fentanyl and midazolam flumazenil, 437
Anesthesiology
flumazenil, benzodiazepine antagonist, 436
preoperative laboratory screening tests, 22, 24
risks and benefits, perioperative hyperthermia, 221
Aneurysm
abdominal aortic
coexistence colon carcinoma, 470
colorectal carcinoma and, 468
probability of rupture unrelated operative procedure, 469
Angiogenesis, biology of tumor metastasis, 577
Angiography
magnetic resonance angiography and, compared to duplex scanning, 475
prediction of success, peripheral vascular reconstruction, 204
Angioma
cavernous, natural history, 299
intracranial venous, natural history, 298
Angioplasty
bypass surgery and amputation, management peripheral vascular disease, 109
percutaneous transluminal, peripheral vascular disease, 108
Angioscopy, coronary, 146
Antibiotics
-associated diarrhea, *Candida* elderly patients, 493
perioperative, herniorrhaphy breast surgery, 369
prophylactic
uncontaminated neck dissections, 368
use of, 367
Anticoagulants, therapy for atrial fibrillation, 556
Anxiety disorders, incapacitating, normalization capsulotomy, 230
Appendicitis
acute
advances in diagnosis and treatment, 527
following blunt abdominal trauma, 342
inheritance of, 345
laparoscopic appendectomy, 529
patients with HIV/AIDS infection, 343
open appendectomy, laparoscopy prospective randomized trial, 531
prospective evaluation, high-resolution CT, 528
unusual settings, 340
Arterial occlusive disease, peripheral, magnetic resonance imaging angiographically occult runoff vessels, 474
Arteriography, penetrating extremity trauma, vascular injury trauma surgery, 77
Artery
carotid, endarterectomy severe symptomatic ICA stenosis, 7
coronary, bypass graft protamine-related hemodynamic effects, 90
reconstruction, iliac interposed graft liver transplantation, 584
renal
duplex scanning, 358
duplex scanning atherosclerosis, 360
hilar doppler analysis stenosis, 361
trauma, duplex scanning, 80
Arthroplasty, hip, perioperative normothermia postoperative protein metabolism, 222
Aspirin, warfarin and, prevention of thromboembolic complications chronic atrial fibrillation, 556
Atherosclerosis, renal artery disease, role of duplex scanning, 360
Atrial fibrillation
anticoagulant therapy, 556
risk of stroke, low-dose warfarin, 558
stroke prevention, 557
Automobile, injured drivers and alcohol use, 39

B

Barium, double-contrast enema, clinical variables prediction of abnormal result, 446
Behavior
alcohol and trauma, 36
alcohol intoxication, 38
normalization of personality characteristics, incapacitating anxiety disorders capsulotomy, 230
Benzodiazepine, intoxication, treatment with flumazenil, 438

Bibliography, retrieval, computer technology, 46
Bile duct, diffuse tumors, 404
Biliary/Pancreas Surgery
laparoscopic cholescytectomy, 334
management of Zollinger-Ellison syndrome, 167
surgical intervention for gallbladder carcinoma, 17
Biopolymers, skin wound closure, athymic mice, 178
Biopsy, needle localization, complications breast, 537
Blood
exposure in the operating room, reducing the risk, 209
perioperative transfusion, intraoperative hypotension and colorectal liver metastases, 403
risk of contamination, operating room personnel, 208
substitutes, complications of blood transfusions, 48
transfusions in surgery, complications, 48
Bone, hemodialysis-related amyloidomas, 33
Book Reviews
Advances in Surgery Volume 25 by J.L. Cameron, 591
Advances in Trauma and Critical Care Vol. 6 edited by K.I. Maull, 465
Angiography and Interventional Radiology by R.J. Rosen and J. Noser, 465
Bilharzia A History of Imperial Tropical Medicine by J. Farley, 520
Bladder Reconstruction and Continent Urinary Diversion by L.R. King A.R. Stone and G.D. Webster, 104
Clinical and Experimental Approaches to Dermal and Epidermal Repair: Normal and Chronic Wounds. Proceedings of the Third International Symposium on Tissue Repair Miami Florida January 10-14 1990 by B.A. Caldwell W.H. Eaglstein T. Hunt D. Marshall E. Pines and G. Skover, 58
Diagnosis and Management of Impotence by A.W. Zorgniotti and E.F. Lizza, 519
Duplex Scanning in Vascular Disorders by D. Eugene Strandness Jr., 331
Important Advances in Oncology 1991 by V.T. DeVita Jr., 591
Intensive Care Medicine by J.M. Rippe R.S. Irwin J.S. Alpert and M.P. Fink, 592
Living Resources for Biotechnology—Animal Cells by A. Doyle R. Hay and B. Kirsop eds., 396
Origins and Rise of Associate Degree Nursing Education The by P.T. Haase, 397
Progress in Cancer Surgery by J.S. Najarian and J.P. Delany, 396
Refractive Surgery in International Ophthalmology Clinics by G. Sullivan and M.H. Friedlander, 104
Shackelford's Surgery of the Alimentary Tract (Five-Volume Set) by G.D. Zuidema ed., 255
Stranger at the Bedside: A History of How Law and Bioethics Transformed Medical Decision-Making" by D.J. Rothman, 395
The ICU Book by P.L. Marino, 161
The Pediatric Airway. Series: The Principles and Practice of the Pediatric Surgical Specialties by H.B. Othersen Jr. MD ed. S.L. Gans MD series ed., 58
Thoracic Outlet Syndrome-A Common Sequela of Neck Injuries by R.J. Sanders and C.E. Haug, 466
Universities and the Future of America by D. Bok, 518
Woodward's Postgastrectomy Syndromes by M.P. Hocking MD and S.B. Vogel MD, 162
Wylie's Atlas of Vascular Surgery: Complications Requiring Reoperation by R.J. Stoney and D.J. Effeney, 331
Bowel large, single-layer appositional anastomosis, 284
Brain
cerebral arteriovenous malformations, management of, 550
cognitive performance, 226
intraischemic, temperature extent of ischemic neuronal injury, 221
stereotactic radiosurgery, arteriovenous malformations, 553
symptomatic arteriovenous malformations, natural history, 296
vascular malformations, natural history, 296
Breast
cystosarcoma phyllodes, approach and management, 503
fine-needle aspiration cytology, interinstitutional comparison of performance, 309
herniorrhaphy and surgery, perioperative antibiotic prophylaxis, 369
masses, fine-needle aspiration, 306
needle localization biopsy, complications, 537
non-palpable lesions, 533
improving the yield of biopsy, 534
Buttock, macroglossia and amyloidoma, 34
Bypass grafts, infrainguinal, thrombolysis, 365
Bypass surgery, angioplasty and amputation, management peripheral vascular disease, 109

C

Cadherins, biology of tumor metastasis, 577
Calcitonin, persistent hypercalcitoninemia, curative primary surgery medullary thyroid carcinoma, 460(October)
Calculi
proximal and midureteral, treatment of, 219
ureteral
ESWL, 216
ESWL Lithostar device, 217
Cancer
new genetic discoveries, 524
subsequent, natural history colorectal polyps, 445
Candida
circulating enolase, detection by immunoassay cancer and invasive candidiasis, 496
elusive pathogen, 493
outcome of candiduria, pediatric patients, 495
Capsulotomy, normalization of personality characteristics, incapacitating anxiety disorders, 230
Carcinoma, invasive, problems in management Barrett's esophagus, 399
Carcinoma breast
early detection, 536
non-palpable breast lesions, mammographic selection, 533
Carcinoma colonic
coexistence, abdominal aortic aneurysm, 470
metastatic, ultrasound-guided hepatic cryosurgery, 184
Carcinoma colorectal, simultaneous abdominal aortic aneurysm, 468
Carcinoma ductal, infiltrating ductal carcinoma, fine-needle aspiration biopsy, 308
Carcinoma gallbladder
radical operations, 19, 20
stage IV, resection and intraoperative radiation therapy, 21
surgical intervention, 17
Carcinoma gastric
curative resection
morbidity radical lymphadenectomy, 276
patterns of failure, 278
resection, lymphadenectomy, 276
Carcinoma gastrointestinal, preoperative parenteral feeding, 266
Carcinoma intraductal, major salivary glands, 422
Carcinoma medullary thyroid
clinicopathologic and flow cytometric DNA study, 460(October)
curative primary surgery, persistent hypercalcitoninemia, 460 (October)
prediction of outcome, 459(October)
Carcinoma parathyroid
how to recognize and treat, 175
nonfunctioning, 176

30-year experience, 173
Carcinoma squamous cell
advanced, maxillary sinus, 421
esophagus, combined therapies, 462(October)
head and neck
primary chemotherapy, 27
treatment clinically negative neck, 133
Carcinoma supraglottic, "second" side of the neck, 135
Cardiac Surgery, heart assist, 477
Cardiogenic shock, treatment of, hemopump left ventricular assist device, 479
Cardiology, anticoagulant therapy, atrial fibrillation, 556
Cardiomyoplasty
bilateral latissimus dorsi, 482
survival improvement, patients with dilated cardiomyopathy, 481
Cardioplegia, applications of magnetic resonance spectroscopy, 95
Cardiopulmonary bypass, ileal mucosal hypoperfusion, 507
Cardiopulmonary resuscitation, in-hospital, 143
Catheter, fragmentation, distal dispersion pulmonary embolus, 272
Catheterization
percutaneous transhepatic portal
localization insulinomas, 118
management insulinomas, 117
Cefotetan, metronidazole and/or, prophlaxis elective colorectal operations, 371
Ceftazidime, *vs.* tobramycin, treatment intra-abdominal infections, 408
Cellulitis, synergistic necrotizing, 443
Chemotherapy
plus radiation, compared to surgery advanced laryngeal cancer, 30
pre- and postoperative, resectable adenocarcinoma esophagus or gastroesophageal junction, 465(October)
preoperative therapy, esophageal cancer, 463(October)
primary, head and neck cancer, 27
radiation and
larynx preservation advanced head and neck cancer, 29
transhiatal esophagectomy local-regional cancer, 464(October)
Child abuse, unique responsibility, 311
Cholangiocarcinoma, hilar, evaluation of resectional therapy, 403
Cholangiosarcoma, hilar, resection management strategies, 406
Cholecystectomy, laparoscopic, 333
young patients sickle hemoglobinopathies, 305
Cholelithiasis, teenage mothers and, 304
Cholescystectomy
ambulatory, 338
laparoscopic, 334, 337
safety and efficacy, 336
Chromosome 5Q21, genes, mutations FAP and colorectal cancer, 524
Cingulotomy, refractory obssessive-compulsive disorder, 232
Clindamycin, ceftazidime *vs.* tobramycin, treatment intra-abdominal infections, 408
Clonidine, oxygen uptake, major abdominal surgery, 225
Collagen, -keratinocyte dressing, treatment leg ulcers, 179
Colon, surgery, Valtrac biofragmentation anastomosis ring conventional sutures and staples, 288
Colon/Rectal Surgery
advances in diagnosis and treatment, acute appendicitis, 527
new genetic discoveries in cancer, 524
review of intestinal anastomotic techniques, 281
unusual settings for appendicitis, 340
Colorectal neoplasms
mutations of chromosome 5Q21 genes, 524
prophylaxis against infections, cefotetan and/or metronidazole, 371
screening for, detection of small adenomas fecal occult blood test, 447
Computed tomography
clinically negative neck, 134
high-resolution, prospective evaluation appendicitis, 528
Computer
-based treatment, 107
bibliographic retrieval, 46
diploma IV, package of computer programs, 245
simulation, prehospital IV fluid therapy, 375
Congestive heart failure, cardiomyoplasty, 481, 482
Critical Care
prevention of nosocomial pneumonia, intensive care unit, 111
use of cultured keratinocytes and dermal fibroblasts, closure of normal or indolent skin wounds, 178
Cryosurgery
clinical evaluation, primary liver cancer, 185
treatment of hepatic tumors, 183
ultrasound-guided hepatic, metastatic colon carcinoma, 184
Cystosarcoma phyllodes, approach and management, 503
Cytomegalovirus, complications of blood transfusions, in surgery, 48
Cytotoxic T lymphocytes, biology of tumor metastasis, 577

D

Diabetes
anaphylactoid reactions to protamine, 87
foot complications, magnetic resonance imaging, 472
identification and management, irradiated tissue necrotizing fasciitis, 441
intrathymic islet transplantation, 191
necrotizing fasciitis of vulvar origin, 442
risk for postoperative congestive heart failure, 13
Dialysis, -amyloidosis, systemic involvement, 35
Diaphragm
injury, diagnosis using intraperitoneal technetium, 4
penetrating thoracoabdominal wounds, trauma surgery, 2
Diarrhea, antibiotic-associated, *Candida* elderly patients, 493
Digestive tract, selective decontamination, 113
Dipyridamole, -thallium-201 redistribution, improvement of risk stratification vascular surgery, 15
DNA, clinicopathologic and flow cytometric study, medullary thyroid carcinoma, 460(October)
Doppler sonography, renal hilar analysis, renal artery stenosis, 361
Duodenum, gastrinoma, MEN I and Zollinger-Ellison syndrome, 348
Duplex sonography
arterial trauma, 80
detection, atherosclerotic renal artery disease, 360
magnetic resonance angiography and, compared to conventional angiography, 475
renal artery, 358
Dysgerminoma, ovary, 214
Dysplastic nevi
early melanoma and, detection and management, 489
malignant melanoma and, epidemiology, 485

E

Ear, middle, amyloidosis chronically hemodialyzed patient, 34
Ear/Nose/Throat Surgery, use of prophylactic antibiotics, 367
Editorial
American Healthcare Costs: Do Other Countries Really Have Better Solutions?, 1
A Pause Some Changes—How're We Doing?, 61
Computer-Based Treatment: Economic Logic for the 21st Century, 107

In Honor of Chapel Hill, 163
Is the FDA Going Through a FAD?, 259
On Surgery and Science, 521
Problems in the Management of Barrett's Esophagus, 399
Serving "At the Will of the Dean"—A Fair or Unjust System?, 457(October)
Tunnel Vision Through the Laparoscope, 333
Education
AIDS and Hepatitis: Risk Prevention and the Surgical House Staff, 92
Factors Affecting the Evaluation of the Oral Examination, 459
How General Surgery Residents Evaluate the Residency: Results of an Internal Review and Survey, 390
Legal Implications of Supervising Residents, 249
Medical Specialty in Spain, 383
Performance-Based Testing in Medical Education, 566
Responsibilities of the Surgical Teaching Staff, 324
Scholarly Activity: The Right Balance, 499
The Recruitment and Selection Processes of General Surgery Residency Programs, 151
The Rising Tide of Surgical Education, 54
Embolization
cerebral arteriovenous malformations, management of, 550
combined endovascular, management cerebral arteriovenous malformations, 551
Emergency Surgery, prehospital trauma management, 374
Encephalopathy, hepatic, improvement flumazenil treatment, 439
Endarterectomy, carotid, severe symptomatic ICA stenosis, 7
Endocrine Surgery
current treatment of gastrinoma, 67
endocrine neoplasia, 173
management of insulinomas, 117
surgical therapy, Zollinger-Ellison syndrome, 347
survival rates, medullary thyroid cancer, 459(October)
Endothelium, biology of tumor metastasis, 577
Enema, double-contrast barium, clinical variables prediction of abnormal result, 446
Epidemiology, dysplastic nevi and malignant melanoma, 485
Esophageal neoplasms
neoadjuvant therapy, 462(October)
preoperative therapy, 463(October)
transhiatal esophagectomy, chemotherapy and radiation, 464 (October)
Esophagus
atresia, 121
tracheoesophageal fistula neonate with RDS, 124
Barrett's
problems in management, 399
surveillance for adenocarcinoma, 412
replacement in children, gastric transposition, 126
ESWL
ureteral calculi, 216
ureteral calculi using Lithostar device, 217
Exomphalos, gastroschisis and, 83
Extremity
acutely ischemic lower limb, initial therapy intraarterial urokinase, 364
injured, occult arterial trauma noninvasive vascular tests, 79
penetrating trauma, vascular injury reliability of physical examination, 78

F

Familial adenomatous polyposis
gene identification, 525
mutations of chromosome 5Q21 genes, 524
Family Medicine, diagnosis and management of adenomatous polyps, 445
Fecal occult blood test, detection of small adenomas, screening for colorectal cancer, 447
Feeding, preoperative parenteral, gastrointestinal carcinoma, 266
Fertility, preservation of, surgical management ovarian germ cell tumors, 212
Fibroblasts, dermal, closure of normal or indolent skin wounds, 178
Fine-needle aspiration
breast, interinstitutional comparison of performance, 309
breast masses, 306
Fistula, tracheoesophageal, repair of esophageal atresia, 121
FK506, prevention of immune rejection, rat islets allografts transplanted into liver or beneath kidney capsule, 192
Fluid
intravenous
prehospital therapy computer simulation, 375
prehospital trauma management, 374
Flumazenil
benzodiazepine antagonist, 436
improvement of hepatic encephalopathy, 439
total intravenous anesthesia, midazolam and fentanyl, 437
treatment of benzodiazepine intoxication, 438
Fluoxetine, borderline and schizotypal personality disorders, 561
Food and Drug Administration, approval process, 259
Foot, diabetic, magnetic resonance imaging, 472

G

Gallbladder
carcinoma
radical operations, 19, 20
stage IV resection and intraoperative radiation therapy, 21
surgical intervention, 17
sludge and stone formation, contractile function after gastrectomy, 429
Gallstones, children and adolescents, 302
Gastrectomy, contractile function, gallbladder sludge and stone formation, 429
Gastric neoplasms, proliferative activity and malignancy, 277
Gastrinoma
current treatment of, 67
duodenum
characteristics of wall, 68
MEN I and Zollinger-Ellison syndrome, 348
excision for cure, 349
MEN I syndrome patients, 68
surgical therapy of Zollinger-Ellsion syndrome, 347
Gastritis, role of gastric colonization, development of pneumonia critically ill trauma patient, 114
Gastroesophageal reflux, tube gastrostomy, esophageal atresia, 123
Gastrointestinal tract
endoscopic injection treatment for bleeding, peptic ulcers, 432
surgery, 429
Gastroschisis
exomphalos and, 83
omphalocele and, 84
prenatally diagnosed, 82
Gastrostomy, tube, gastroesophageal reflux esophageal atresia, 123
Gene
biology of tumor metastasis, 577
identification, familial adenomatous polyposis coli, 525
inheritance of acute appendicitis, 345
inhibition of expression, oncogenic forms p53, 525
new discoveries, cancer, 524
Germany, health care in, 315
Glansplasty, M-inverted, distal hypospadias, 541
Glanuloplasty

meatal advancement and, hypospadias repair, 539
modified meatal advancement and, 544
Graft-*vs.*-host disease, complications of blood transfusions, in surgery, 48
GRATEFUL MED, bibliographic retrieval, computer technology, 46
Growth factors, skin wound closure, athymic mice, 178
Gynecology
necrotizing fasciitis, 441
ovarian germ cell tumors, surgical management, 212

H

Hand
emergency surgery
advances peripheral nerve repair, 294
contributions microvascular surgery, 292
recent advances, 291
primary flexor tendon repair, 293
replantation surgery, 291
to trim or replant, 295
H2 blockers, problems in management, Barrett's esophagus, 399
Head and neck neoplasms
indications for elective treatment in neck, canacer of major salivary glands, 420
primary chemotherapy, 27
Head and neck surgery, metronidazole, 367
Healthcare
changing system in South Africa, 241
costs, 1
delivery, essential features industrialized nations, 42
Germany, 315
Health Maintenance Organization, health insurance policies and the law, 385
Heart
congestive heart failure, risk for, 13
effects of hypothermia, 226
heart-lung and lung transplantation, first year of life, 197
Hemopump system, 479
-lung transplantation, lung and selection of appropriate procedure, 195
Novacor system, 477
penetrating wounds, role pneumatic antishock garment, 376
surgery, applications magnetic resonance spectroscopy, 95
Helicobacter pylori, eradication of, diagnostic value decreasing Ig antibody titers, 431
Hemodialysis, -related amyloidomas of bone, 33
Hemoglobinopathies, sickle, laparoscopic cholecystectomy young patients, 305
Hemolysis, complications of blood transfusions, in surgery, 48
Hemopump, left ventricular assist device, 479
Heparin
anticoagulaton, reversal of protamine preparations, 89
-induced thrombocytopenia, 352
diagnostic test, 354
laboratory studies, 355
Hepatitis C, complications of blood transfusions, in surgery, 48
Hernia
laparoscope, 333
repair, 382
trends in, 240
Herniorrhaphy, breast surgery and, perioperative antibiotic prophylaxis, 369
Hip, arthroplasty, perioperative normothermia postoperative protein metabolism, 222
Hodgkin's disease
clinical stages I and II, prognostic factors, 63
stage IA-IIB, large mediastinal adenopathy, 65
staging laparotomy, 62
Human immunodeficiency virus
acute appendicitis, 343
infections and the surgeon, testing exposure and attitudes, 207
prevalence in elective surgery patients, 207
surgeons' attitudes towards patients, 210
Hypercalcitoninemia, persistent, curative primary surgery medullary thyroid carcinoma, 460(October)
Hypertension, risk for postoperative congestive heart failure, 13
Hyperthermia, perioperative, risks and benefits, 221
Hypospadias
distal
M-inverted glansplasty, 541
repair of, 539
sleeve advancement, 542
glanular/coronal, glans approximation procedure, 546
modified meatal advancement, glanuloplasty, 544
Hypotension, intraoperative, perioperative blood transfusion and colorectal liver metastases, 403
Hypothermia
cardioplegia, applications magnetic resonance spectroscopy, 95
-induced reversible platelet dysfunction, 224
mild, risks and benefits, 226

I

ICAM-1, biology of tumor metastasis, 577
Ileum, mucosal hypoperfusion, cardiopulmonary bypass, 507
Imipenem, *vs.* tobramycin, antianaerobe antibiotic therapy intra-abdominal infections, 407
Immunoglobulins
diagnostic value of decreasing titers, eradication *Helicopylori bacter*, 431
protamine IgE and IgG antibodies, life-threatening reactions, 88
Immunosuppression
complications of blood transfusions, in surgery, 48
prevention of immune rejection by FK506, rat islet allografts transplanted into liver or beneath kidney capsule, 192
Infection, resistance to, oxygen as an isolated variable, 203
Injury, undetected, 236
Insulin, anaphylactoid reactions to protamine, 87
Insulinoma, occult, localization surgical treatment, 117
Insurance
disability income, why and how a Resident should buy, 573
health, policies and the law, 385
Integrins, biology of tumor metastasis, 577
Intensive care unit
prevention of nosocomial pneumonia, 111
surgical, placing a limit on life-sustaining therapy, 141
Internal Medicine
placing a limit on life-sustaining therapy, surgeon's role, 140
primary chemotherapy, head and neck cancer, 27
protamine reactions, 87
International Forum
Arterial Reconstruction after Liver Transplantation: Personal Experience with Particular Emphasis on the Use of an Iliac Interposed Graft, 584
Cystosarcoma Phyllodes: Approach and Management— A Report from Israel, 503
Essential Features for Healthcare Delivery in Industrialized Nations, 42
Health Care in the Federal Republic of Germany, 315
Medical Specialty Education in Spain, 383
Preoperative Bedside Minimal Laparotomy for Severe Peritonitis, 102
The Applications and Protection of Saphenous Vein Grafts: Discussion of a New Technique from Bulgaria and the Middle East, 456
The Health Care System in South Africa: A Changing Scene, 241
Transplant Activity in Italy, 158

Intestine
anastomotic techniques, review of, 281
single-layer continuous polypropylene anastomoses, 281
Irradiation
small cell lung cancer, 416
tissue from diabetic women, necrotizing fasciitis, 441
Ischemia
beneficial effect of carotid endarterectomy, high-grade carotid stenosis, 7
ileal mucosal hypoperfusion, cardiopulmonary bypass, 507
lower limb, initial therapy intraarterial urokinase, 364
Italy, transplant activity, 158

K

Keratinocyte
-collagen dressing, treatment leg ulcers, 179
dermal fibroblasts and, closure of normal or indolent skin wounds, 178
Kidney, rat islet allografts, prevention of immune rejection FK506, 192

L

Laboratory screening, preoperative, prediction postoperative complications, 22, 24
Laparoscopy
appendectomy, 529
prospective randomized trial, open appendectomy, 531
tunnel vision, 333
Laparotomy
preoperative bedside minimal, severe peritonitis, 102
staging of, Hodgkin's disease, 62
Larynx
advanced cancer, chemotherapy and radiation compared to surgery, 30
preservation, chemotherapy and radiation therapy advanced head and neck cancer, 29
Lavage, peritoneal, penetrating thoracoabdominal trauma, 3
Leucotomy, limbic, treatment Tourette syndrome, 234
Life support, placing a limit on life-sustaining therapy, surgeon's role, 140
Ligament, transverse Atlantal, magnetic resonance imaging Atlantoaxial instability, 131
Liver
colorectal metastases, intraoperative hypotension perioperative blood transfusion, 403
rat islet allografts, prevention of immune rejection FK506, 192
reduction, 70
transplantation
arterial reconstruction iliac interposed graft, 584
from a living donor to her son, 73
transjugular intrahepatic portosystemic shunt, 453
two patients with one liver, 72
Liver neoplasms
cryosurgery, 183
primary, clinical evaluation cryosurgery, 185
αL3T4 treatment, effect of transplantation site, islet xenografts in mice, 194
Lung
conservation, main bronchial sleeve resection, 418
heart and heart-lung transplantation, first year of life, 197
heart-lung transplantation and, selection appropriate procedure, 195
single transplantation, ventilation-perfusion inequalities primary pulmonary hypertension, 198
transplantation, Washington University—Barnes Hospital experience, 196
Lung neoplasms
adherence to parietal pleura, 417
current topics, 416
Lymphadenectomy
morbidity of, curative resection gastric carcinoma, 276
resection of gastric carcinoma, 276
Lymphoma, clinical stages I and II, prognostic factors Hodgkin's disease, 63

M

Macroglossia, amyloidoma and, buttock, 34
Magnetic resonance angiography, compared to conventional angiography, duplex scanning, 475
Magnetic resonance imaging
angiographically occult runoff vessels, peripheral arterial occlusive disease, 474
transverse Atlantal ligament, Atlantoaxial instability, 131
vascular disease, 472
Magnetic resonance spectroscopy, applications in cardiac and transplant surgery, 95
Major histocompatibility complex, biology of tumor metastasis, 577
Malformations
arteriovenous, natural history brain, 296
cerebral arteriovenous
combined endovascular embolization surgery, 551
management of, 550
Malignancy, proliferative activity and, human gastric cancers, 277
Mammography
early detection of breast carcinoma, 536
non-palpable breast lesions, 533
Mediastinum, large adenopathy, stage IA-IIB Hodgkin's disease, 65
Melanoma
cutaneous malignant, 487
early, detection and management dysplastic nevi, 489
malignant, dysplastic nevi and epidemiology, 485
sun exposure, 485
MEN I
surgical treatment of gastrinoma, 68
unresolved surgical issues, Zollinger-Ellison syndrome, 170
Zollinger-Ellison syndrome and, gastrinoma in duodenum, 348
Metastasis
colorectal liver, evaluation of resectional therapy, 403
head and neck cancer, treatment clincally negative neck, 138
parathyroid carcinoma, how to recognize and treat, 175
tumor, biology of, 577
Metronidazole
cefotetan and, prophylaxis elective colorectal operations, 371
head and neck surgery, 367
Microvascular surgery, contributions, emergency hand surgery, 292
Midazolam, fentanyl and, total intravenous anesthesia flumazenil, 437
Myocardial ischemia, perioperative, cardiac morbidity and mortality men undergoing noncardiac surgery, 12

N

Neck
clinically negative
computed tomography, 134
treatment of advanced cancer of head and neck, 138
elective dissection, rationale, 133
"second" side, supraglottic cancer, 135
uncontaminated dissections, prophylactic antibiotics, 368
Necrotizing cellulitis, synergistic, 443
Necrotizing fasciitis
early recognition, use of frozen section biopsy, 442

identification and management, irradiated tissue diabetic women, 441
vulvar origin, diabetic patients, 442
Neoadjuvant therapy, esophageal cancer, 462(October)
Neonate
first year of life, heart heart-lung and lung transplantation, 197
respiratory distress syndrome, esophageal atresia tracheoesophageal fistula, 124
Nerve, peripheral, repair of emergency hand surgery, 294
Neurosurgery
evaluation and treatment of spinal cord injury, 129
management of cerebral arteriovenous malformations, 550
natural history, vascular malformations brain, 296
Novacor, left ventricular assist system, 477
Nutrition
adjuvant parenteral, treatment of sarcomas, 265
perioperative total parenteral, 263
total parenteral, cancer clinical trials, 267

O

Obsessive-compulsive disorder, refractory, cingulotomy, 232
Omeprazole, long-term efficacy and safety, Zollinger-Ellison syndrome, 167
Omphalocele, gastroschisis and, 84
Oncology, non-palpable breast lesions, 533
Operating room
blood exposure, reducing the risk, 209
personnel, risk blood contamination, 208
Ovarian germ cell neoplasms, surgical management, 212
Ovary
dysgerminoma, 214
immature teratoma, 213
yolk sac tumors, prognostic factors, 214
Oximetry, transcutaneous, prediction of success peripheral vascular reconstruction, 204
Oxygen
isolated variable, resistance to infection, 203
transcutaneous measurements, prognosis venous ulcers, 205
uptake after major abdominal surgery, 225
wound healing and, 201

P

p53, oncogenic forms, inhibition of gene expression, 525
Pancreatic islets
differential immunosuppression, transplantation into liver or beneath kidney capsule, 192
effect of transplantation site, islet xenografts in mice, 194
intrathymic transplantation, 191
Pancreatic neoplasms
in England and Wales, 189
surgical palliation, 188
trends in surgical treatment, 187
Parathyroid gland
carcinoma
how to recognize and treat, 175
30-year experience, 173
Pathology
amyloid and amyloidoses, 32
Candida as an elusive pathogen, 493
fine-needle aspiration biopsy, workup breast masses, 306
Pediatric patients
outcome of candiduria, 495
Zollinger-Ellison syndrome, 168
Pediatric Surgery
abdominal wall defects, 82
esophageal atresia, 121
gallstones in children and adolescents, 302
update on distal hypospadias repair, 539
Penis, meatal advancement and glanuloplasty, hyposphadias repair, 539
Peripheral vascular disease
percutaneous transluminal angioplasty, 108
reconstruction, prediction of success, 204
thrombolytic therapy and, 364
use of angioplasty, bypass surgery amputation, 109
Peritonitis, severe, preoperative bedside minimal laparotomy, 102
Physical examination, reliability, penetrating extremity trauma vascular injury, 78
Plastic Surgery
recent advances in emergency hand surgery, 291
tissue oxygenation and wound healing, 201
Platelets
count and venous thromboembolism, 269
hypothermia-induced reversible dysfunction, 224
Pleuroscopy, advances in thoracoscopy, 320
Pneumatic antishock garment
penetrating cardiac wounds, 376
prehospital trauma management, 374
prospective MAST study in 911 patients, 377
Pneumonia
development of, gastric colonization critically ill trauma patient, 114
nosocomial, prevention intensive care unit, 111
Polyglycolic acid, polyglactin mesh or, living dermal substitute, 180
Polyps
adenomatous, diagnosis and management, 445
colorectal, natural history polypectomy, 445
hyperplastic, markers for additional adenomas sigmoidoscopy, 449
Pregnancy
trauma during, 426
trauma surgery, 425
Protamine, reactions, 87, 88
Protein
metabolism
hypothermia, 226
perioperative normothermia hip arthroplasty, 222
Proteinases, biology of tumor metastasis, 577
Psychiatry
alcohol and trauma, behavioral correlates, 36
recent topics in psychosurgery, 230
self-mutilation, 560
Psychosurgery, antimania, 231
Pulmonary embolism
distal dispersion, percutaneous catheter fragmentation, 272
place of embolectomy today, 273
thoracic surgery, 269
Pulmonary hypertension, primary, ventilation-perfusion inequalities single lung transplantation, 198

R

Radiation
chemotherapy and
compared to surgery advanced laryngeal cancer, 30
larynx preservation advanced head and neck cancer, 29
transhiatal esophagectomy local-regional cancer, 464(October)
intraoperative therapy and resection, stage IV gallbladder carcinoma, 21
preoperative therapy, esophageal cancer, 463(October)
Radiology, percutaneous transjugular portosystemic shunt, 451
Radiosurgery, stereotactic, arteriovenous malformations brain, 553
Receptors, histamine H1 and H_2, blockers prevention of protamine-related hemodynamic effects, 90

Residents, supervision of, legal implications, 249
Resident's Voice
Disability Income Insurance: Why and How a Resident Should Buy, 573
Ileal Mucosal Hypoperfusion During Cardiopulmonary Bypass, 507
The Abused Child: A Unique Responsibility, 311
Respiratory distress syndrome, esophageal atresia and tracheoesophageal fistula, neonate, 124
Rhodes Robert S., introduction of University of Mississippi Medical Center, 400

S

Salivary glands
intraductal carcinoma, 422
neck cancer, indications for elective treatment, 420
Sarcoma, treatment of, adjuvant parenteral nutrition, 265
Schizophrenia, schizotypal personality disorders, fluoxetine, 561
Science basic, importance to surgery, 521
Science and Practice, biology of tumor metastasis, 577
Self-mutilation
chronically suicidal patient, 562
personality disorders, 560
Septic shock, complications of blood transfusions, in surgery, 48
Shivering, treatment of, 226
Shunt, percutaneous transjugular portosystemic, 451, 452, 453
Sigmoidoscopy
hyperplastic polyps, markers for additional adenomas, 449
screening, factors affecting compliance, 448
Sinus, maxillary, advanced squamous cell carcinoma, 421
Skin
living dermal substitute, cultured human fibroblasts, 180
treatment of donor sites, cultured epithelial grafts, 181
wounds, closure of cultured keratinocytes and dermal fibroblasts, 178
Socioeconomics
Health Insurance Policies and the Law, 385
Toward a Gentler and More Humanistic Academia, 511
Spain, medical specialty education, 383
Spinal cord
injury
evaluation and treatment, 129
recovery of function, 130
Stereotaxy, radiosurgery, arteriovenous malformations brain, 553
Stroke
beneficial effect of carotid endarterectomy, high-grade carotid stenosis, 7
magnetic resonance angiography, conventional angiography duplex scanning, 475
prevention, atrial fibrillation, 557
risk of, low-dose warfarin atrial fibrillation, 558
Suicide, chronically suicidal patient, self-mutilation, 562
Sun exposure, melanoma and, 485
Surgical Care, heparin-induced thrombocytopenia, 352
Surgical Infection
anti-infective agents, intra-abdominal infection, 407
HIV infections and the surgeon, testing exposure and attitudes, 207
Surgical Management, evaluation of resectional therapy, hilar cholangiocarcinoma colorectal liver metastases, 403
Surgical Oncology
Barrett's esophagus, surveillance for adenocarcinoma, 412
cryosurgery, treatment of hepatic tumors, 183
lymphadenectomy, resection gastric carcinoma, 276
neoadjuvant therapy, esophageal cancer, 462(October)
staging laparotomy for Hodgkin's disease, 62
Surgical Technology
advances in thoracoscopy, 320
applications of magnetic resonance spectroscopy, cardiac and transplant surgery, 95
coronary angioscopy, 146

T

Technetium, intraperitoneal, diagnosis diaphragmatic injury, 4
Tendon, flexor, repair of, 293
Teratoma, immature, ovary, 213
Thallium-201
-dipyridamole redistribution, improvement of risk stratification vascular surgery, 15
nonfunctioning parathyroid carcinoma, 176
parathyroid carcinoma, how to recognize and treat, 175
Thoracic Surgery, pulmonary embolism, 269
Thoracoabdominal wounds
penetrating
peritoneal lavage, 3
trauma surgery, 2
Thoracoscopy, advances in, 320
Thrombocytopenia
heparin-induced, 352
diagnostic test, 354
laboratory studies, 355
Thromboembolism, venous, platelet count and, 269
Thrombolysis
infrainguinal bypass grafts, 365
peripheral vascular disease and, 364
Thromboxane A_2, ileal mucosal hypoperfusion, cardiopulmonary bypass, 507
Tobramycin
vs. ceftazidime, treatment intra-abdominal infections, 408
vs. imipenem, antianaerobe antibiotic therapy intra-abdominal infections, 407
Tourette syndrome, treatment of, limbic leucotomy, 234
Transplantation
activity in Italy, 158
immunology research, 191
liver
from a living donor to her son, 73
transjugular intrahepatic portosystemic shunt, 453
liver reduction, 70
lung, Washington University—Barnes Hospital experience, 196
lung and heart-lung, selection appropriate procedure, 195
site, αL3T4 treatment islet xenografts in mice, 194
surgery, applications magnetic resonance spectroscopy, 95
two patients with one liver, 72
Trauma
alcohol and, behavioral correlates, 36
blunt abdominal, acute appendicitis, 342
prehospital IV fluid therapy, computer simulation, 375
prehospital management, intravenous fluid pneumatic antishock garment, 374
surgery, penetrating thoracoabdominal wounds, 2
Trauma Surgery
penetrating extremity trauma, vascular injury, 77
pregnant patient, 425
undetected injuries, 236

U

Ulcer
leg, treatment allogeneic culture keratinocyte-collagen dressing, 179
peptic, endoscopic injection treatment bleeding, 432
venous, prognosis transcutaneous oxygen measurements, 205
Ultrasonography

acute appendicitis, 527
intraoperative, management insulinomas, 117
Ultrasound, -guided hepatic cryosurgery, metastatic colon carcinoma, 184
University of Arkansas, Department of Surgery, 261
University of Mississippi Medical Center, introduction of, 400
University of North Carolina at Chapel Hill, Department of Surgery, 164
Urethroplasty, sleeve advancement, 542
Urokinase, intraarterial, initial therapy acutely ischemic lower limb, 364
Urology, *in situ* extracorporeal shockwave lithotripsy, ureteral calculi, 216

V

Vascular surgery
anaphylactoid reactions to protamine, 87
applications of magnetic resonance imaging, vascular disease, 472
carotid endarterectomy, severe symptomatic ICA stenosis, 7
improvement of risk stratification, dipyridamole-thallium-201 redistribution, 15
percutaneous transluminal angioplasty, peripheral vascular disease, 108
renal artery duplex scanning, 358
simultaneous abdominal aortic aneurysm, colorectal carcinoma, 468
Vascular system, noninvasive tests, occult arterial trauma injured extremities, 79
Vein graft, saphenous, new technique, 456
Ventilation-perfusion, inequalities during graft rejection, single lung transplantation primary pulmonary hypertension, 198
Ventilator, -assisted pneumonia, oropharyngeal contamination, 111
Ventricular function
left
Hemopump system, 479
Novacor system, 477

W

Warfarin
aspirin and, prevention of thromboembolic complications chronic atrial fibrillation, 556
low-dose, risk of stroke atrial fibrillation, 558
Washington University, —Barnes Hospital experience, lung transplantation, 196
Wound healing, tissue oxygenation and, 201

X

Xenografts, islet, effect of transplantation site αL3T4 treatment, 194

Y

Yolk sac neoplasms, ovary, prognostic factors, 214

Z

Zollinger-Ellison syndrome
children, 168
gastrinoma excision for cure, 349
management of patients, 167
MEN I and, gastrinoma in duodenum, 348
surgical therapy, 347
unresolved surgical issues, 170

AUTHOR INDEX

A

Abcarian H., 390
Albrecht R.R., 151
Alison W.E., 507
Anand V.K., 420
Anderson K.D., 151
Anderson W.A., 151
Apfelbaum J.L., 22
Aseni P., 584
Azizkhan R.G., 167

B

Baker C.C., 236
Banes A.J., 178
Barnes R.W., 261, 499
Barone J.E., 92
Barrozo C.A.M., 95
Belli L., 584
Belli L.S., 584
Belo S., 436
Beske F., 315
Bitzer L.G., 281
Bogey W.M. Jr., 472
Brambilla G., 584
Brenneman F., 468
Britt L.D., 2
Bunzendahl H., 191
Burchard K.W., 459(7)

C

Cance W.G., 183
Carter F.M., 340
Cheever A.W., 520
Chistie J.D., 493
Cioffi W.G., 465(7)
Cleveland C.H. Jr., 87
Coe N.P.W., 459(7)
Contogiannis M.A., 573
Cox C.S Jr., 507

D

Dainer P.M., 27
Dascombe W.H., 2
Davis J.H., 518
Dean R.E., 151
DeAntonio H., 556
DeCarlis L., 584
Della Volpe, V., 584
DeMasi R., 352
Deslauriers R., 95
Dillon R.K.J.S., 416
Dolezal J.M., 485
Dolinar L.J., 36
Donnelly M.B., 566
Duda R.B., 396

E

Egan T.M., 195
Evans J.T., 46

F

Fabri P.J., 67
Filtzer H.S., 331
Firestone D., 560
Fleming R.Y.D., 507
Fontanarosa P.B., 374
Friedmann P., 54

G

Gallinger S., 334
Gamelli R.L., 58
Garcés G., 383
Gaskill H.V. III, 527, 533
Glosten B., 22, 221
Godellas C.V., 67
Goldstein J., 503
Greenburg A.G., 382

H

Hall T.J., 403
Harlow A.E. Sr., 385
Hart I.R., 577
Hassett J.M., 245
Hauer-Jensen M., 276
Herndon D.N., 507
Holcomb G.W. III, 121
Hopson S.B., 340
Howard T.K., 70
Huth J.F., 173

I

Iglehart J.D., 62

J

Johnsrude I., 451
Johnston K., 445

K

Kalman P.G., 108, 364, 468
Kang S., 48
Kapp M.B., 249
Khoda J., 503
Kirby T.J., 320, 399
Kispert P.H., 161
Klimberg V.S., 263
Koruda M.J., 187
Kramer G.C., 507
Kurusz M., 507

L

Lantsberg L., 503
Lareau S., 95
Lawrence W.T., 201
Lee K.S., 296, 550
Libertino J., 104
Lichstein P.R., 140
Livengood C.H. III, 441
Luchette F., 245
Lust R.M., 521

M

Mackersie R.C., 111
Makowka L., 70
Mancini M.C., 592
Manktelow A., 167
McAneny D.B., 162
McDermott W.V., 255
McGoldrick J., 146
Meller J.L., 82
Meroni A., 584
Merrell R.C., 459(8)
Meyer A.A., 207
Mill M.R., 195
Mintzer I.L., 395
Misas J.E., 212
Molin M.R., 12
Morrow M., 591
Moyer M.P., 524
Muakkassa F.F., 407
Myers D.A., 216
Myers T., 507

N

Nazem N., 456
Neumayer L., 591
Nishida S., 324
Nores M.A., 70
Norris H.T., 32

O

Oller D.W., 77
Osuch J.R., 151

P

Panos A., 95
Papadopoulos S.M., 129
Pirotta V., 584
Podesta L.F., 70
Poole G.V., 425
Poole M.D., 367
Pories W.J., 1, 17, 61, 163, 333, 485, 457(8)
Postma D.S., 367
Powell C.S., 7, 331
Prinz R.A., 347
Puttini M., 584

R

Radkowski D., 58
Ranval T.J., 269
Rhodes R.S., 400
Richens D., 146
Rizzuti R.P., 291
Roberts S.R., 465(7)
Rodney W.M., 445
Romani F., 584
Rondinara G.F., 584
Rose M.A., 397
Rosenbloom M., 477
Roth J.A., 462(8)
Rowland-Morin P.A., 459(7)
Rubeck R.F., 566
Rubin B.B., 108

Rumwell C., 358
Rypins E.B., 390

S

Saini A., 577
Salerno T.A., 95
Sansalone V., 584
Schwartz R.W., 566
Scott-Conner C.E.H., 429
Scully H., 42
Sebbag G., 503
Sessler D.I., 221
Sheldon G.F., 164, 187
Sher L.S., 70
Shulman A.G., 240
Silverman J.F., 306
Sloan D.A., 566
Spence P.A., 107, 259
Straehley C.J., 324

T

Tanner W.R., 466(7)
Terblanche J., 241
Tian G.-H., 95
Tingelstad J.B., 302
Torre M., 158
Toth C.A., 396
Trogdon S.D., 311
Tschirkov A., 456

V

van Heerden J.A., 117
Vasquez-Quintana E., 511
Vermund H., 27
Vickers M.A., 519
Vrabec M.P., 104

W

Walker R., 230
Warren E.T., 416
Weaver F.A., 358
Wei-Hang L., 102
Weissler M.C., 133
Wieland J., 390
Wilton P.B., 412

Y

Yoon P.S., 2

Z

Zakhariev T., 456
Zoantz M.R., 539
Zwishenberger J.B., 507